



V-GARD™ ALU 1500

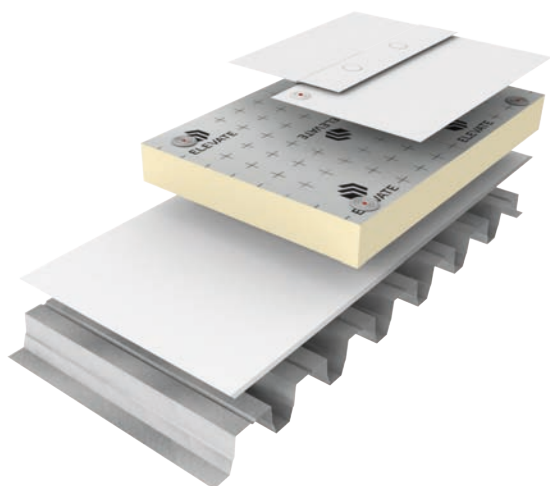
VAPOR CONTROL MEMBRANE

In recent years, there is a clear trend to have higher energy efficient buildings, which is also driven by building regulations. The roof is a large part of the building envelope and therefore has a significant impact on the flow of energy in and out of buildings. Vapor control membranes play a very important role in this.

It takes more than just the installation of thermal insulation to create an energy efficient and comfortable environment. Thermal insulation reduces heat transfer, while a vapor control membrane primarily serves to control migration of moisture through the roofing assembly. It eliminates the risk for moisture build-up from condensation and thus ensures the thermal performance of insulation. In addition, a properly installed vapor control layer also provides air tightness and thus assists in controlling energy losses.

The Elevate V-Gard ALU 1500 vapor control membrane is designed to be used as vapor control layer in Elevate roofing systems where insulation is either mechanically attached or loose laid. It consists of reinforced aluminium foil with a hot-melt adhesive backing protected by a release film. The UV-stabilized polymeric reinforcement provides high strength to the membrane, guaranteeing an excellent mechanical performance. This reinforcement also makes the membrane resistant to foot traffic during installation.

The strong adhesion of the hot-melt backing eases installation and offers good self-adhesive seaming performance. This, together with the UV-stabilized polymeric foil surface of the V-Gard ALU 1500 membrane, provides temporary protection to the substrate, based on some conditions. V-Gard ALU 1500 can be applied over metal and wooden roof decks. Contact our technical department for the complete list of approved substrates or for additional technical information.



PRODUCT DETAILS

	V-GARD ALU 1500
THICKNESS	0.2 mm
ROLL WIDTH	1.50 m
ROLL LENGTH	100 m
WATER VAPOR PERMEABILITY (S_d)	>1,500 m
CALORIFIC VALUE	$\leq 11,600 \text{ kJ/m}^2$

ADVANTAGES



Excellent vapor resistance

Vapor resistance value is expressed by an S_d (equivalent air layer thickness) of >1,500 m. It is therefore suitable for most roofs.



Resistant to foot traffic

The engineered composition of V-Gard ALU 1500 provides high mechanical performance. Its strong physical properties make it suitable for direct application onto metal decks, limiting the risk of tears caused by foot traffic.



Safe and easy to install

The installation of V-Gard ALU 1500 is part of a single-ply concept, thanks to its high-performing backing adhesive: it is a 100% cold and user-friendly process that does not require open flame. It is suitable to be used on substrates such as plywood, OSB and metal decks.



Low calorific value

The V-GARD ALU 1500 has a calorific value lower < 11,600 kJ/m², which is needed in markets with high fire requirements.



Efficient air barrier

V-Gard ALU 1500 can be adhered to most substrates, minimizing air leaks and contributing to the overall energy efficiency of the building.



Good seaming and adhesion to the substrate

V-Gard ALU 1500 has one of the best performance of its category, due to its hot-melt backing adhesive.



Preprinted overlap marking

The overlap marking printed on one side of the V-Gard ALU 1500 membrane further facilitates installation.



One-source supplier

The use of V-Gard ALU 1500 ensures a compatible design and high quality performance where all roofing components are supplied and warranted by one manufacturer.



Minimal packaging

Each roll of V-Gard ALU 1500 comes in a belly band wrap, which minimizes waste.